

ABSTRACT

The invention proposes a method for passivating the contact surface of a refractory container made of mullite. Such a method is remarkable in that it comprises the following operations:

- a. application to the contact surface of a coating comprising 50% to 70% by weight of alumina flour (Al_2O_3) filler and 30% to 50% of binder, this binder itself comprising 50% to 60% of aluminum chloride AlCl_3 dissolved in 40% to 50% of water;
- b. drying;
- c. firing of the container in an oxidizing atmosphere between 1450°C and 1550°C for at least 20 min.

Application to the casting of titanium alloys.